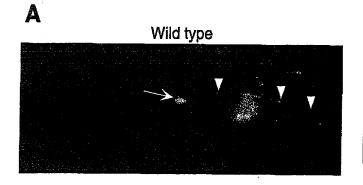
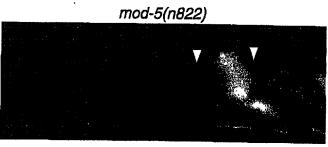
## Figure 1





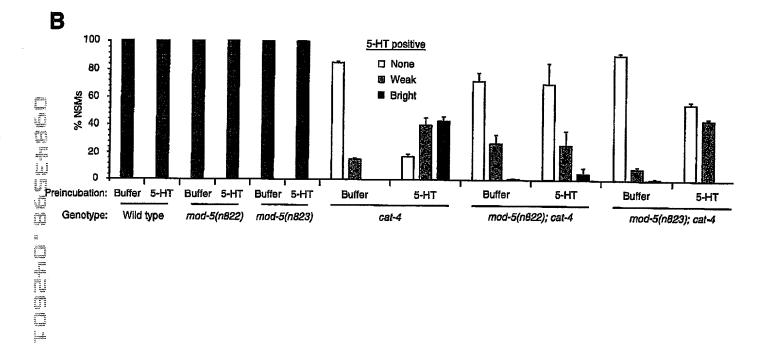
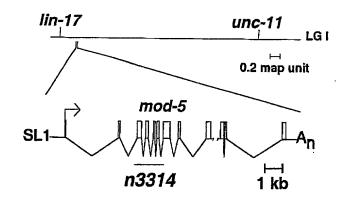


Figure 2 A 25 Body Bends/20 s Well-fed Food-deprived 5 0 -Bacteria: Genotype: Wild type mod-5(n822) mod-5(n823) mod-5(n3314) В C 25 25 mod-5(n823) Body Bends/ 20 s Body Bends/ 20 s Well-fed ■ Food-deprived 5 0 0 Bacteria: Bacteria: Cells Ablated: Mock NSMs Genotype: mod-5(n823); cat-4 cat-4 D 100 % Animals Immobilized 80 Wild type ⊢ mod-5(n822) 60 40 -<u></u> mod-5(n3314) 2 0 0 10 15 [5-HT], (mM) 0 5 15 20 33



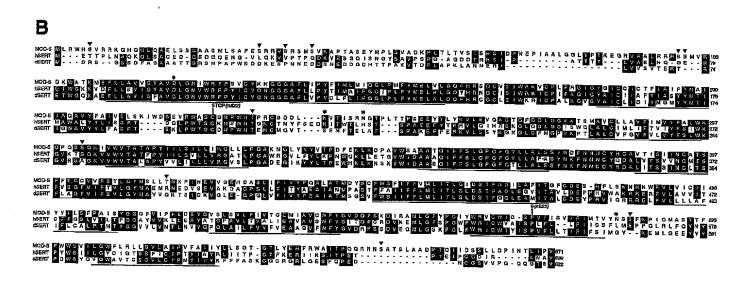


Figure 4

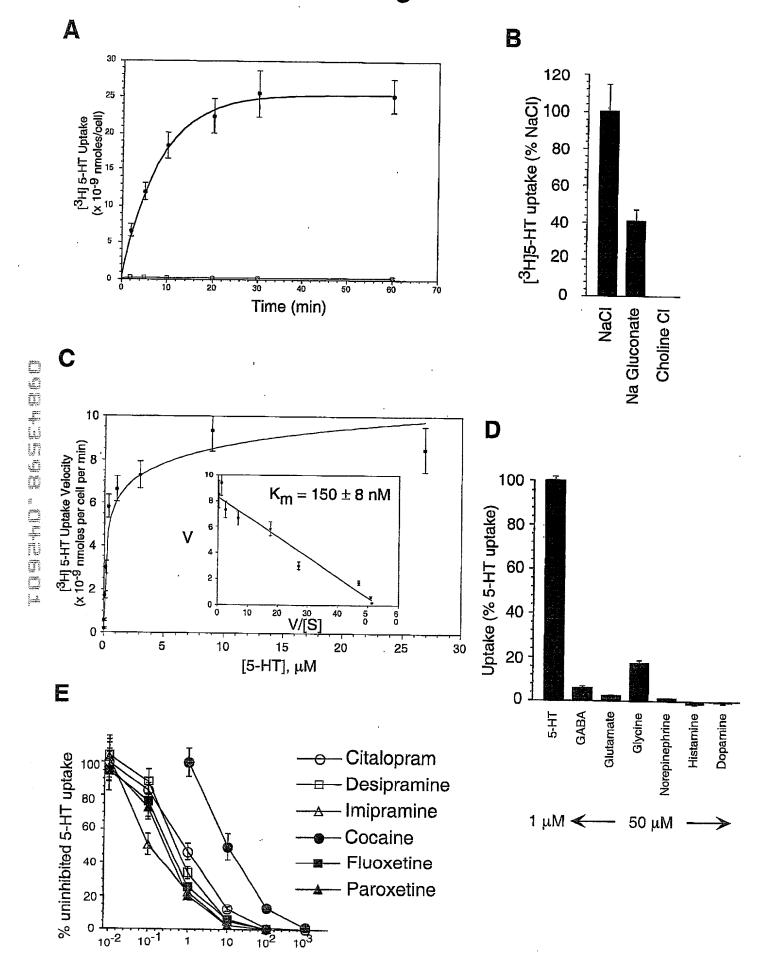
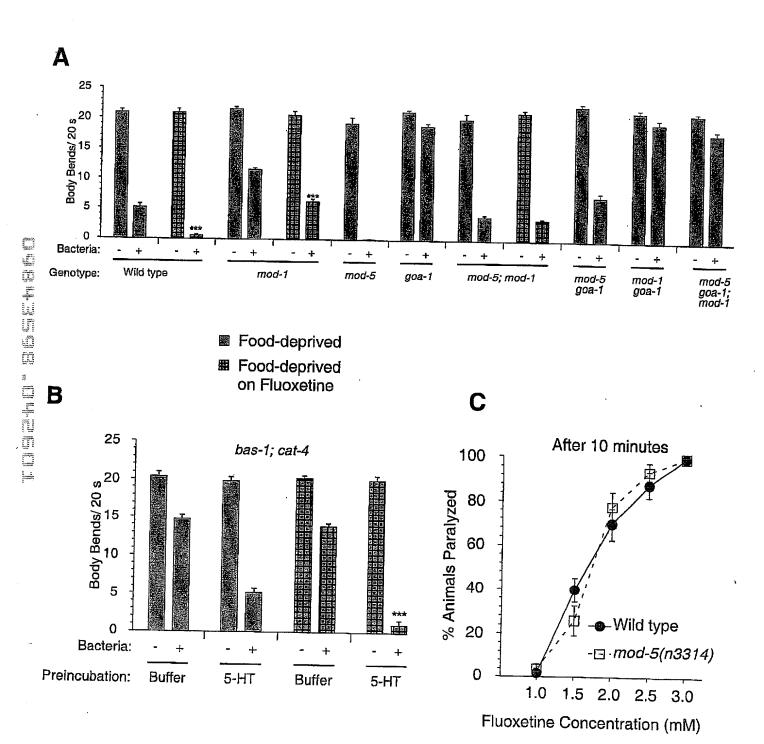
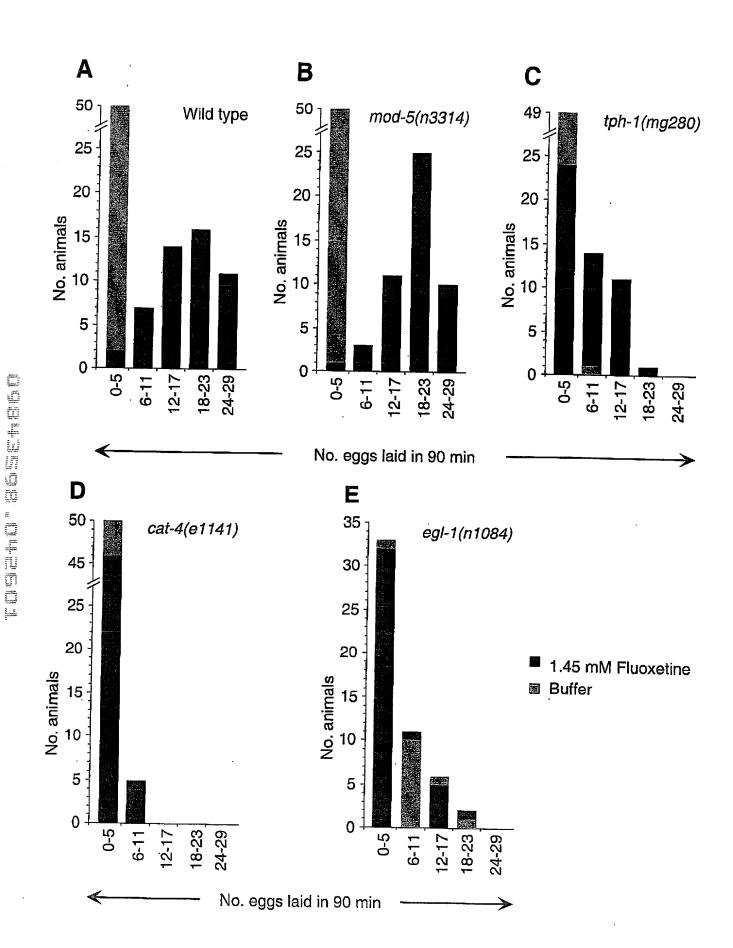
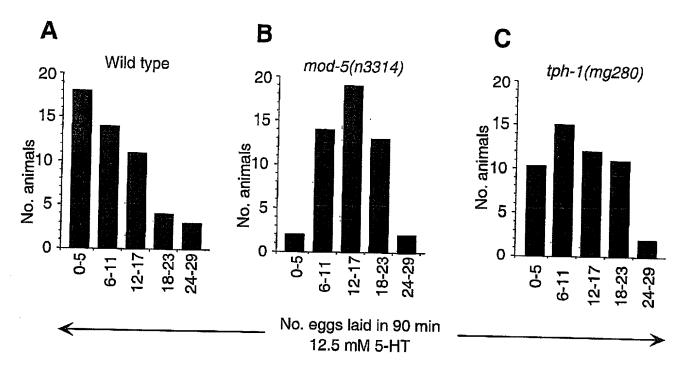


Figure 5







## Figure 8

